CLAIMS

What is claimed:

1   1.   In a system for creating documents from processed data, an

2   apparatus for forming processed data comprising:

3   a)   a data storage device for storing the processed data;

4   b)   a form engine connected to said data storage device for

5   formatting the processed data in said data storage device in

6   accordance with predetermined high level rules; and

7   c)   an output device connected to said form engine for outputting

8   formatted data created from said form engine.

1   2.   The apparatus of Claim 1 wherein said predetermined high level

2   rules use loose value tradeoffs for formatting processed data.

1   3.   The apparatus of Claim 2 wherein said loose value tradeoffs are

2   selected from a group including: fit all data on one page; cleanly define text

3   columns; bold face first line of new text; and shrink photos proportionally with

4   text.

1   4.   The apparatus of Claim 2 further comprising sublevels of loose

2   value tradeoffs.

1   5.   The apparatus of Claim 3 wherein loose value tradeoff -fit all

2   data on one page- further includes sublevel loose value trade offs: reduce

3   font, shrink photos and graphics proportional with font, reduce length of some

4   data fields, and shrink margin.

1   6.   The apparatus of Claim 1 wherein the output device is a printer.

1   7.   In a system for creating documents from processed data, an

2 apparatus for forming processed data comprising:

3   a)   a data storage means for storing processed data;

4   b)   a form engine means connected to said data storage means, for

5   formatting the processed data in accordance with predetermined

6   high level rules using loose value tradeoffs; and

7   c)   an output means connected to said form engine means for

8   outputting formatted documents from said form engine means.

1   8.   The apparatus of Claim 7 wherein said loose value tradeoffs are

2 selected from a group including: fit all data on one page; cleanly define text

3 columns; bold face first line of new text; and shrink photos proportionally with

4 text.

1   9.   The apparatus of Claim 7 further comprising sublevels of loose

2 value tradeoffs.

1   10.   The apparatus of Claim 8 wherein loose value tradeoff -fit all

2 data on one page- further includes sublevel loose value tradeoffs: reduce font,

3 shrink photos and graphics proportional with font, reduce length of some data

4 fields, and shrink margin.

1   11.   In a system for creating documents from processed data, a

2 method of forming processed data comprising the steps of:

3   a)   providing a data storage device for storing processed data;

4   b)   adding processed data to said data storage device;

5   c)   connecting a form engine to said data storage device and

6   formatting the processed data in accordance with predetermined

7   high level rules; and

8   d)   connecting an output device to the form engine and outputting

9   formatted data from said form engine.

1   12.   The method of Claim 11 wherein the predetermined high level

2 rules use loose value tradeoffs for formatting processed data.

1   13.   The method of Claim 12 further comprising the step of selecting

2 said loose value tradeoffs from a group including: fit all data on one page;

3 cleanly define text columns; bold face first line of new text; and shrink photos

4 proportionally with text.

1   14.   The method of Claim 12 further comprising the step of adding

2 sublevels of said loose value tradeoffs.

1   15.   The method of Claim 14 further comprising the step of adding

2 sublevel loose value tradeoffs: reduce font, shrink photos and graphics

3 proportional with font, reduce length of some data fields, and shrink margins.

1   16.   In a system for creating documents from processed data,

2 computer code recorded on a computer readable medium for forming

3 processed data comprising:

4   a)   computer code for a data storage system for storing processed

5   data;

6   b)   computer code for a form engine linked to said data storage

7   system for formatting the processed data in accordance with

8   predetermined high level rules; and

9   c)   computer code for an output system linked to said form engine

10   for outputting formatted data created from said form engine

11   processing.

1   17.   The invention of Claim 16 wherein said predetermined rules
2   further comprise computer code for using loose value tradeoffs for formatting
3   processed data.

1   18.   The invention of Claim 17 wherein said computer code for using
2   loose value tradeoffs is selected from a group of computer codes including: fit
3   all data on one page; cleanly define text columns; bold face first line of new
4   text; and shrink photos proportionally with text.

1   19.   The invention of Claim 17 further comprising computer code for
2   sublevels of loose value tradeoffs.

1   20.   The invention of Claim 18 wherein said computer code for- fit all
2   data on one page- further comprises computer code for sublevel loose value
3   tradeoffs: reduce font, shrink photos and graphics proportional with font,
4   reduce length of some data fields, and shrink margin.